

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue Savannah, GA 31404 Tel: (912)354-7858

TestAmerica Job ID: 680-130378-1

Client Project/Site: GKM - Region 8 (LTM)

For:

Weston Solutions, Inc. 1435 Garrison Street Suite 100 Lakewood, Colorado 80215

Attn: Jeff Bryniarski

Authorized for release by: 10/12/2016 4:19:45 PM

Sheila Hoffman, Project Manager II (912)354-7858 e.3004

Sheli Hoffman

sheila.hoffman@testamericainc.com

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Method Summary

Client: Weston Solutions, Inc.

Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130378-1

Method	Method Description	Protocol	Laboratory
1631E	Mercury, Low Level (CVAFS)	EPA	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

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Sample Summary

Client: Weston Solutions, Inc. Project/Site: GKM - Region 8 (LTM) TestAmerica Job ID: 680-130378-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-130378-1	Bakers Bridge_FB_092916	Water	09/29/16 08:15	09/30/16 09:54
680-130378-2	9426_092616	Water	09/29/16 13:25	09/30/16 09:54
680-130378-3	Bakers Bridge_092916	Water	09/29/16 08:15	09/30/16 09:54
680-130378-4	SJAR_092716	Water	09/27/16 11:05	09/30/16 09:54
680-130378-5	SJFP_092816	Water	09/28/16 10:50	09/30/16 09:54
680-130378-6	SJLP_092716	Water	09/27/16 15:45	09/30/16 09:54
680-130378-7	SJSR 092816	Water	09/28/16 14:15	09/30/16 09:54

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Definitions/Glossary

Client: Weston Solutions, Inc. Project/Site: GKM - Region 8 (LTM) TestAmerica Job ID: 680-130378-1

Qualifiers

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

ND

PQL

QC

RER

RL

Ciossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated

RPD Relative Percent Difference, a measure of the relative difference between two points TEF Toxicity Equivalent Factor (Dioxin)

Quality Control

Relative error ratio

Practical Quantitation Limit

Not detected at the reporting limit (or MDL or EDL if shown)

Reporting Limit or Requested Limit (Radiochemistry)

Toxicity Equivalent Quotient (Dioxin) TEQ

Case Narrative

Client: Weston Solutions, Inc. Project/Site: GKM - Region 8 (LTM) TestAmerica Job ID: 680-130378-1

Job ID: 680-130378-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Weston Solutions, Inc.

Project: GKM - Region 8 (LTM)

Report Number: 680-130378-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 09/30/2016; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 18.4 C.

LOW LEVEL MERCURY

Samples Bakers Bridge_FB_092916 (680-130378-1), 9426_092616 (680-130378-2), Bakers Bridge_092916 (680-130378-3), SJAR_092716 (680-130378-4), SJFP_092816 (680-130378-5), SJLP_092716 (680-130378-6) and SJSR_092816 (680-130378-7) were analyzed for Low Level Mercury in accordance with EPA Method 1631E. The samples were prepared on 10/02/2016 and analyzed on 10/05/2016.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

LOW LEVEL MERCURY

Samples Bakers Bridge_FB_092916 (680-130378-1), 9426_092616 (680-130378-2), Bakers Bridge_092916 (680-130378-3), SJAR_092716 (680-130378-4), SJFP_092816 (680-130378-5), SJLP_092716 (680-130378-6) and SJSR_092816 (680-130378-7) were analyzed for Low Level Mercury in accordance with EPA Method 1631. The samples were prepared on 10/02/2016 and analyzed on 10/05/2016.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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Client: Weston Solutions, Inc. Project/Site: GKM - Region 8 (LTM)

Client Sample ID: Bakers Bridge_FB_092916

Lab Sample ID: 680-130378-1 Date Collected: 09/29/16 08:15

Matrix: Water

Date Received: 09/30/16 09:54

Method: 1631E - Mercury, Low Lev	vel (CVAFS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.50	0.20	ng/L		10/02/16 14:00	10/05/16 11:33	1

Method: 1631E - Mercury, Low Lev	vel (CVAFS) -	Dissolved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.50	0.20	ng/L		10/02/16 14:00	10/05/16 13:07	1

Client Sample ID: 9426_092616 Lab Sample ID: 680-130378-2

Date Collected: 09/29/16 13:25 Matrix: Water

Date Received: 09/30/16 09:54

Method: 1631E - Mercury, Low Lev	el (CVAFS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.44	J	0.50	0.20	ng/L		10/02/16 14:00	10/05/16 11:42	1

Method: 1631E - Mercury, Low Le	vel (CVAFS) -	Dissolved								
Analyte	Result	Qualifier	RL	MDL	Unit	0	כ	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.50	0.20	ng/L			10/02/16 14:00	10/05/16 13:16	1

Lab Sample ID: 680-130378-3 Client Sample ID: Bakers Bridge_092916 **Matrix: Water**

Date Collected: 09/29/16 08:15

Date Received: 09/30/16 09:54

Method: 1631E - Mercury	, Low Level (CVAFS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.87		0.50	0.20	ng/L		10/02/16 14:00	10/05/16 11:50	1
Method: 1631E - Mercury	, Low Level (CVAFS) -	Dissolved							

Method: 1631E - Mercury, Low Lev	'el (CVAFS) -	Dissolved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.71		0.50	0.20	ng/L		10/02/16 14:00	10/05/16 14:15	1

Client Sample ID: SJAR_092716 Lab Sample ID: 680-130378-4

Date Collected: 09/27/16 11:05 Date Received: 09/30/16 09:54

Method: 1631E - Mercury, Low Level (CVAFS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	5.3		0.50	0.20	ng/L		10/02/16 14:00	10/05/16 12:34	1

Method: 1631E - Mercury, Low Lev	el (CVAFS) -	Dissolved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.42	J	0.50	0.20	ng/L		10/02/16 14:00	10/05/16 13:24	1

Client Sample ID: SJFP_092816 Lab Sample ID: 680-130378-5

Date Collected: 09/28/16 10:50 Date Received: 09/30/16 09:54

Method: 1631E - Mercury, Low Lev	rel (CVAFS)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Mercury	3.5	0.50	0.20 ng/L		10/02/16 14:00	10/05/16 12:42	1

Matrix: Water

Matrix: Water

Client Sample Results

Client: Weston Solutions, Inc.

Project/Site: GKM - Region 8 (LTM)

TestAmerica Job ID: 680-130378-1

Client Sample ID: SJFP_092816

Date Collected: 09/28/16 10:50 Date Received: 09/30/16 09:54 Lab Sample ID: 680-130378-5

Matrix: Water

Method: 1631E - Mercury, Low Lev	rel (CVAFS) -	Dissolved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.42	J	0.50	0.20	ng/L		10/02/16 14:00	10/05/16 13:32	1

Client Sample ID: SJLP_092716

Date Collected: 09/27/16 15:45 Date Received: 09/30/16 09:54 Lab Sample ID: 680-130378-6

Matrix: Water

Method: 1631E - Mercury, Low Level (C	VAFS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	4.0		0.50	0.20	ng/L		10/02/16 14:00	10/05/16 12:51	1
Method: 1631E - Mercury, Low Level (C	,								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

0.50

0.20 ng/L

0.34 J

Client Sample ID: SJSR_092816

Date Collected: 09/28/16 14:15

Mercury

Lab Sample ID: 680-130378-7

10/02/16 14:00 10/05/16 13:41

Matrix: Water

Date Received: 09/30/16	09:54								
Method: 1631E - Mercui	ry, Low Level (CVAFS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	4.1		0.50	0.20	ng/L		10/02/16 14:00	10/05/16 12:59	1
Method: 1631E - Mercui	ry, Low Level (CVAFS) -	Dissolved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.31	J	0.50	0.20	ng/L		10/02/16 14:00	10/05/16 13:49	1

2

TestAmerica Job ID: 680-130378-1

Client: Weston Solutions, Inc. Project/Site: GKM - Region 8 (LTM)

Lab Sample ID: 680-130378-3 MS

Mercury

3

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 400-325478/1-A

Matrix: Water

Analysis Batch: 325534

MB MB

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 325478

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
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 Prepared
 Analyzed
 Dil Fac

 Mercury
 0.20
 U
 0.50
 0.20
 ng/L
 10/05/16 10:41
 10/05/16 11:08
 1

Lab Sample ID: LCS 400-325478/2-A

Matrix: Water

Analysis Batch: 325534

Spike

LCS LCS

Analyte

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Prep Batch: 325478

%Rec.

Added
Result Qualifier Unit
D %Rec Limits

5.49

ng/L

110

79 - 121

Client Sample ID: Bakers Bridge_092916

5.00

Lab Sample ID: LCSD 400-325478/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA Analysis Batch: 325534 Prep Batch: 325478 LCSD LCSD RPD Spike %Rec. Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 5.00 107 Mercury 5.37 ng/L 79 - 121

Matrix: Water

Analysis Batch: 325534

Sample Sample Spike MS MS

Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits

 Analyte
 Result Mercury
 Qualifier
 Added Added Added Sesult Qualifier
 Qualifier Unit Unit Ing/L
 D MRec Unit Ing/L
 Limits Ing/L

Lab Sample ID: 680-130378-3 MSD Client Sample ID: Bakers Bridge_092916 **Matrix: Water** Prep Type: Total/NA Analysis Batch: 325534 Prep Batch: 325478 Sample Sample Spike MSD MSD %Rec. RPD Added Limit Analyte Result Qualifier Result Qualifier Unit RPD %Rec Limits 2.50 Mercury 0.87 3.74 ng/L 115 71 - 125

Lab Sample ID: 680-130378-3 MS

Matrix: Water

Analysis Batch: 325534

Sample S

Sample Sample MS MS Spike Result Qualifier Added Analyte Result Qualifier Unit D %Rec Limits 71 - 125 2.50 Mercury 0.71 3 44 ng/L 109

Lab Sample ID: 680-130378-3 MSD Client Sample ID: Bakers Bridge_092916 **Matrix: Water Prep Type: Dissolved Prep Batch: 325478** Analysis Batch: 325534 MSD MSD Sample Sample Spike %Rec. RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Mercury 0.71 2.50 3.41 ng/L 108 71 - 125 24

QC Association Summary

Client: Weston Solutions, Inc. TestAmerica Job ID: 680-130378-1 Project/Site: GKM - Region 8 (LTM)

Metals

Prep Batch: 325478

680-130378-1 Bakers Bridge_FB_092916 Dissolved Water 1631E 680-130378-1 Bakers Bridge_FB_092916 Total/NA Water 1631E 680-130378-2 9426_092616 Dissolved Water 1631E 680-130378-2 9426_092616 Total/NA Water 1631E 680-130378-3 Bakers Bridge_092916 Dissolved Water 1631E 680-130378-3 Bakers Bridge_092916 Total/NA Water 1631E 680-130378-4 SJAR_092716 Dissolved Water 1631E 680-130378-4 SJAR_092716 Total/NA Water 1631E 680-130378-5 SJFP_092816 Dissolved Water 1631E 680-130378-6 SJLP_092716 Dissolved Water 1631E 680-130378-7 SJSR_092816 Dissolved Water 1631E 680-130378-7 SJSR_092816 Dissolved Water 1631E 680-130378-7 SJSR_092816 Dissolved Water 1631E 680-130378-7	
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680-130378-6 SJLP_092716 Dissolved Water 1631E 680-130378-6 SJLP_092716 Total/NA Water 1631E 680-130378-7 SJSR_092816 Dissolved Water 1631E 680-130378-7 SJSR_092816 Total/NA Water 1631E	
680-130378-6 SJLP_092716 Total/NA Water 1631E 680-130378-7 SJSR_092816 Dissolved Water 1631E 680-130378-7 SJSR_092816 Total/NA Water 1631E	
680-130378-7 SJSR_092816 Dissolved Water 1631E 680-130378-7 SJSR_092816 Total/NA Water 1631E	
680-130378-7 SJSR_092816 Total/NA Water 1631E	
MB 400-325478/1-A Method Blank Total/NA Water 1631E	
LCS 400-325478/2-A Lab Control Sample Total/NA Water 1631E	
LCSD 400-325478/3-A Lab Control Sample Dup Total/NA Water 1631E	
680-130378-3 MS Bakers Bridge_092916 Dissolved Water 1631E	
680-130378-3 MS Bakers Bridge_092916 Total/NA Water 1631E	
680-130378-3 MSD Bakers Bridge_092916 Dissolved Water 1631E	
680-130378-3 MSD Bakers Bridge_092916 Total/NA Water 1631E	

Analysis Batch: 325534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-130378-1	Bakers Bridge_FB_092916	Dissolved	Water	1631E	325478
680-130378-1	Bakers Bridge_FB_092916	Total/NA	Water	1631E	325478
680-130378-2	9426_092616	Dissolved	Water	1631E	325478
680-130378-2	9426_092616	Total/NA	Water	1631E	325478
680-130378-3	Bakers Bridge_092916	Dissolved	Water	1631E	325478
680-130378-3	Bakers Bridge_092916	Total/NA	Water	1631E	325478
680-130378-4	SJAR_092716	Dissolved	Water	1631E	325478
680-130378-4	SJAR_092716	Total/NA	Water	1631E	325478
680-130378-5	SJFP_092816	Dissolved	Water	1631E	325478
680-130378-5	SJFP_092816	Total/NA	Water	1631E	325478
680-130378-6	SJLP_092716	Dissolved	Water	1631E	325478
680-130378-6	SJLP_092716	Total/NA	Water	1631E	325478
680-130378-7	SJSR_092816	Dissolved	Water	1631E	325478
680-130378-7	SJSR_092816	Total/NA	Water	1631E	325478
MB 400-325478/1-A	Method Blank	Total/NA	Water	1631E	325478
LCS 400-325478/2-A	Lab Control Sample	Total/NA	Water	1631E	325478
LCSD 400-325478/3-A	Lab Control Sample Dup	Total/NA	Water	1631E	325478
680-130378-3 MS	Bakers Bridge_092916	Dissolved	Water	1631E	325478
680-130378-3 MS	Bakers Bridge_092916	Total/NA	Water	1631E	325478
680-130378-3 MSD	Bakers Bridge_092916	Dissolved	Water	1631E	325478
680-130378-3 MSD	Bakers Bridge_092916	Total/NA	Water	1631E	325478

TestAmerica Job ID: 680-130378-1

Client: Weston Solutions, Inc. Project/Site: GKM - Region 8 (LTM)

Client Sample ID: Bakers Bridge_FB_092916

Date Collected: 09/29/16 08:15

Lab Sample ID: 680-130378-1

Matrix: Water

Matrix: Water

Matrix: Water

Date Received: 09/30/16 09:54

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Prep	1631E			40 mL	40 mL	325478	10/02/16 14:00	VLC	TAL PEN
Dissolved	Analysis	1631E		1			325534	10/05/16 13:07	VLC	TAL PEN
	Instrume	nt ID: HYDRA								
Total/NA	Prep	1631E			40 mL	40 mL	325478	10/02/16 14:00	VLC	TAL PEN
Total/NA	Analysis	1631E		1			325534	10/05/16 11:33	VLC	TAL PEN
	Instrume	nt ID: HYDRA								

Client Sample ID: 9426_092616 Lab Sample ID: 680-130378-2

Date Collected: 09/29/16 13:25

Date Received: 09/30/16 09:54

Matrix: Water

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Prep	1631E			40 mL	40 mL	325478	10/02/16 14:00	VLC	TAL PEN
Dissolved	Analysis	1631E		1			325534	10/05/16 13:16	VLC	TAL PEN
	Instrume	nt ID: HYDRA								
Total/NA	Prep	1631E			40 mL	40 mL	325478	10/02/16 14:00	VLC	TAL PEN
Total/NA	Analysis	1631E		1			325534	10/05/16 11:42	VLC	TAL PEN
	Instrume	nt ID: HYDRA								

Lab Sample ID: 680-130378-3 Client Sample ID: Bakers Bridge_092916

Date Collected: 09/29/16 08:15

Date Received: 09/30/16 09:54

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Prep	1631E			40 mL	40 mL	325478	10/02/16 14:00	VLC	TAL PEN
Dissolved	Analysis	1631E		1			325534	10/05/16 14:15	VLC	TAL PEN
	Instrume	nt ID: HYDRA								
Total/NA	Prep	1631E			40 mL	40 mL	325478	10/02/16 14:00	VLC	TAL PEN
Total/NA	Analysis	1631E		1			325534	10/05/16 11:50	VLC	TAL PEN
	Instrume	nt ID: HYDRA								

Client Sample ID: SJAR_092716 Lab Sample ID: 680-130378-4

Date Collected: 09/27/16 11:05 Date Received: 09/30/16 09:54

Prep Type Dissolved Dissolved	Batch Type Prep Analysis Instrume	Batch Method 1631E 1631E nt ID: HYDRA	Run	Dil Factor	Initial Amount 40 mL	Final Amount 40 mL	Batch Number 325478 325534	Prepared or Analyzed 10/02/16 14:00 10/05/16 13:24	Analyst VLC VLC	TAL PEN
Total/NA	Prep	1631E			40 mL	40 mL	325478	10/02/16 14:00	VLC	TAL PEN
Total/NA	Analysis	1631E		1			325534	10/05/16 12:34	VLC	TAL PEN
	Instrume	nt ID: HYDRA								

Page 10 of 18

10/12/2016

TestAmerica Job ID: 680-130378-1

Client: Weston Solutions, Inc. Project/Site: GKM - Region 8 (LTM)

Client Sample ID: SJFP_092816

Lab Sample ID: 680-130378-5

Matrix: Water

Date Collected: 09/28/16 10:50 Date Received: 09/30/16 09:54

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Prep	1631E			40 mL	40 mL	325478	10/02/16 14:00	VLC	TAL PEN
Dissolved	Analysis	1631E		1			325534	10/05/16 13:32	VLC	TAL PEN
	Instrume	nt ID: HYDRA								
Total/NA	Prep	1631E			40 mL	40 mL	325478	10/02/16 14:00	VLC	TAL PEN
Total/NA	Analysis	1631E		1			325534	10/05/16 12:42	VLC	TAL PEN
	Instrume	nt ID: HYDRA								

Lab Sample ID: 680-130378-6 Client Sample ID: SJLP_092716

Date Collected: 09/27/16 15:45 **Matrix: Water**

Date Received: 09/30/16 09:54

Date Received: 09/30/16 09:54

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Prep	1631E			40 mL	40 mL	325478	10/02/16 14:00	VLC	TAL PEN
Dissolved	Analysis	1631E		1			325534	10/05/16 13:41	VLC	TAL PEN
	Instrume	nt ID: HYDRA								
Total/NA	Prep	1631E			40 mL	40 mL	325478	10/02/16 14:00	VLC	TAL PEN
Total/NA	Analysis	1631E		1			325534	10/05/16 12:51	VLC	TAL PEN
	Instrume	nt ID: HYDRA								

Client Sample ID: SJSR_092816 Lab Sample ID: 680-130378-7

Date Collected: 09/28/16 14:15 **Matrix: Water**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Prep	1631E			40 mL	40 mL	325478	10/02/16 14:00	VLC	TAL PEN
Dissolved	Analysis	1631E		1			325534	10/05/16 13:49	VLC	TAL PEN
	Instrume	nt ID: HYDRA								
Total/NA	Prep	1631E			40 mL	40 mL	325478	10/02/16 14:00	VLC	TAL PEN
Total/NA	Analysis	1631E		1			325534	10/05/16 12:59	VLC	TAL PEN
	Instrume	nt ID: HYDRA								

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

TestAmerica Savannah

10

Gold King Mine Long Term Monitoring

No: 8-092916-143451-0012

Lab: Test America - Pensacola Lab Phone: 850-474-1001

Site #: N/A

DateShipped: 9/29/2016 CarrierName: FedEx

Page 1 of 1 USEPA Contact Name: Jeff Bryniarski Contact Phone: 708-284-2490

						-	Accelerance	Procervative	Lab QC
# 4	Somnlo #	Analyses	Matrix	Collected	Sample	Cont	Sont Container		
‡					200.46	ď	40 ml Glass	None	<u>></u>
	Bakers Bridge FB 092916	Dissolved Hg	Surface	9/29/2016	CETTSO -	3			
			VValte	0,000,00	00-45	67	40 mL Glass	None	≻ _
	Bakers Bridge_FB_092916	Total Hg	Surface Water	91/29/2016	2.00	-		Mono	2
	9426 092916	Total Hg	Surface	9/29/2016	13:25	m	40 mL glass	20102	: ;
			Surface	9/29/2016	13:25	e	40 mL glass	None	z_
	9426_092916	Dissolved rig	Water					None	\ >
	Rakers Bridge 092916	Total Hg	Surface	9/29/2016	08:15	n	40 III. Glass		.]
			Walte	0,000,000	76-45	75	40 mL Glass	None	>_
	Bakers Bridge_092916	Dissolved Hg	Surface Water	0102/82/8	2			-	-
									-
									-
						_			1
									_
						1			-
<u> </u>								-	-
								_	
						SAMPL	SAMPLES TRANSFERRED FROM	ED FROM	
0	energial Instructions: Please send all results to jeff bryniarski@westonsolutions.com. 10 day turnaround time.	ff.bryniarski@westonsolutions.com	. 10 day turnar	ound time.		CHAIN	CHAIN OF CUSTODY #		
j 2						_			

			,	0,000.
Sample Condition Upon Receipt				6 1/RS
e Sample	9:30 8:29			3. A
Date/Time	9.35.10			
Received by (Signature and Organization)	Supply the			
Date/Time	5	The first of the second of the		
	Items/Reason	d what days		

Gold King Mine Long Term Monitoring

No: 8-092916-124237-0019

Lab: Test America - Pensacola Lab Phone: 850-474-1001

DateShipped: 9/29/2016 CarrierName: FedEx

Page 1 of 1 USEPA

Contact Phone: 708-284-2490 Contact Name: Jeff Bryniarski

Site #: N/A

	Γ		Τ	T		Γ	Ţ		_		Τ			Γ	T
Lab QC	z	z	z	z	z	z	z	z							
Preservative	None														
Numb Container Cont	3 40 mL Glass	40 mL Glass	40 mL Glass	40 mL Glass	40 mL Glass	40 mL Glass	40 mL Glass	40 mL Glass							
Numb Cont	m	(Y)	က	e	60	8	m	3							
Sample Time	11:05	11:05	10:50	10:50	15:45	15:45	14:15	14:15							
Collected	9/27/2016	9/27/2016	9/28/2016	9/28/2016	9/27/2016	9/27/2016	9/28/2016	9/28/2016							
Matrix	Surface Water														
Analyses	Total Hg	Dissolved Hg													
Sample #			SJFP_092816				SJSR_092816	SJSR_092816							
# qe7															

SAMPLES TRANSFERRED FROM	CHAIN OF CUSTODY #	
	Special Instructions: Please send all results to jeff.bryniarski@westonsolutions.com. 10 day turnaround time.	

Sample Condition Upon Receipt			
Date/Time	9.30-10		
Received by (Signature and Arganization)	The state of the s		
Date/Time	91/6216		
Relinguished by (Signature and Organization)	MINES !	Longo	
Items/Reason	Starpound		

18.4° c JR5 480-130378

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Page 1 of 1

DateShipped: 9/29/2016 CarrierName: FedEx USEPA

Gold King Mine Long Term Monitoring

Site #: N/A

Contact Name: Jeff Bryniarski



No: 8-092916-143451-0012

Contact Phone: 708-284-2490

Lab: Test America - Pensacola Lab Phone: 850-474-1001

	Analyses	Matrix	Collected	Sample	Numb	Container	Preservative Lab QC	Lab OC
				Time	Cont	Cont		
	Dissolved Hg	Surface Water	9/29/2016	08:15	m	40 mL Glass	None	>
Bakers Bridge_FB_092916	Total Hg	Surface Water	9/29/2016	08:15	e .	40 mL Glass	None	>
	Total Hg	Surface Water	9/29/2016	13:25	е	40 mL glass	None	z
	Dissolved Hg	Surface Water	9/29/2016	13:25	က	40 mL glass	None	z
	Total Hg	Surface Water	9/29/2016	08:15	C)	40 mL Glass	None	>
	Dissolved Hg	Surface Water	9/29/2016	08:15	ις	40 mL Glass	None	>

SAMPLES TRANSFERRED FROM	CHAIN OF CUSTODY #	
Special Instructions: Diases sand all results to ieff humiarski@wastonsolutions com 10 day turnaround time	opedia manaciona. I rease sena an resulta to femolyman somewesten somin. To day tumandund ume.	

 Date/Time Sample Condition Upon Receipt	15%		
Date/Time	15:6 N.S.B	-	
Received by (Signature and Organization)	Sy Killing		
Date/Time	9/29/16 15:30		
Relinquished by (Signature and Organization)	My Sall	n. Win	
Items/Reason	SUMPPING		

18.90

Gold King Mine Long Term Monitoring

Site #: N/A

Contact Phone: 708-284-2490 Contact Name: Jeff Bryniarski

No: 8-092916-124237-0019

Lab: Test America - Pensacola Lab Phone: 850-474-1001

Lab#	Sample #	Analyses	Matrix	Collected	Sample Time	Numb Cont	Numb Container Cont	Preservative	Lab QC
	SJAR_092716	Total Hg	Surface Water	9/27/2016	11:05	3	40 mL Glass	None	z
	SJAR_092716	Dissolved Hg	Surface Water	9/27/2016	11:05	က	40 mL Glass	None	z
	SJFP_092816	Total Hg	Surface Water	9/28/2016	10:50	3	40 mL Glass	None	z
	SJFP_092816	Dissolved Hg	Surface Water	9/28/2016	10:50	m	40 mL Glass	None	z
	SJLP_092716	Total Hg	Surface Water	9/27/2016	15:45	8	40 mL Glass	None	z
	SJLP_092716	Dissolved Hg	Surface Water	9/27/2016	15:45	က	40 mL Glass	None	z
	SJSR_092816	Total Hg	Surface Water	9/28/2016	14:15	3	40 mL Glass	None	z
	SJSR_092816	Dissolved Hg	Surface Water	9/28/2016	14:15	3	40 mL Glass	None	z
						-			
	1								

Special Instructions: Please send all results to jeff.bryniarski@westonsolutions.com. 10 day turnaround time.

9, 30. 16 Received by (Signature and Organization)

Date/Time 91/6216 6500

Relinquished by (Signature and Organization)

Items/Reason

Six pound

Sample Condition Upon Receipt

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

18,4° c JR

DateShipped: 9/29/2016 CarrierName: FedEx

Page 1 of 1 USEPA

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 680-130378-1

List Source: TestAmerica Savannah

List Number: 1

Creator: Daughtry, Beth A

Question Answer Comment

Radioactivity wasn't checked or is </= background as measured by a survey

meter

The cooler's custody seal, if present, is intact.

Sample custody seals, if present, are intact.

The cooler or samples do not appear to have been compromised or

tampered with.

Samples were received on ice.

Cooler Temperature is acceptable.

Cooler Temperature is recorded.

COC is present.

COC is filled out in ink and legible.

COC is filled out with all pertinent information.

Is the Field Sampler's name present on COC?

There are no discrepancies between the containers received and the COC.

Samples are received within Holding Time (excluding tests with immediate $% \left\{ 1\right\} =\left\{ 1\right\} =\left$

HTs)

Sample containers have legible labels.

Containers are not broken or leaking.

Sample collection date/times are provided.

Appropriate sample containers are used.

Sample bottles are completely filled.

Sample Preservation Verified.

There is sufficient vol. for all requested analyses, incl. any requested

MS/MSDs

Containers requiring zero headspace have no headspace or bubble is

<6mm (1/4").

Multiphasic samples are not present.

Samples do not require splitting or compositing.

Residual Chlorine Checked.

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Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 680-130378-1

List Source: TestAmerica Pensacola
List Number: 2
List Source: TestAmerica Pensacola
List Creation: 09/30/16 07:10 PM

Creator: Perez, Trina M

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or ampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	18.4°C IR-5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
s the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is 6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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Certification Summary

Client: Weston Solutions, Inc. Project/Site: GKM - Region 8 (LTM) TestAmerica Job ID: 680-130378-1

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Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Colorado	State Program	8	N/A	12-31-16

Laboratory: TestAmerica Pensacola

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	06-30-17
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-17
California	ELAP	9	2510	03-31-18
Florida	NELAP	4	E81010	06-30-17
Georgia	State Program	4	N/A	06-30-17
Illinois	NELAP	5	200041	10-09-17
lowa	State Program	7	367	07-31-16 *
Kansas	NELAP	7	E-10253	10-31-17
Kentucky (UST)	State Program	4	53	06-30-17
Kentucky (WW)	State Program	4	98030	12-31-16
_ouisiana	NELAP	6	30976	06-30-17
Maryland	State Program	3	233	09-30-17
Massachusetts	State Program	1	M-FL094	06-30-17
Michigan	State Program	5	9912	05-06-17
New Jersey	NELAP	2	FL006	06-30-17
North Carolina (WW/SW)	State Program	4	314	12-31-16
Oklahoma	State Program	6	9810	08-31-17
Pennsylvania	NELAP	3	68-00467	01-31-17
Rhode Island	State Program	1	LAO00307	12-30-16
South Carolina	State Program	4	96026	06-30-16 *
Tennessee	State Program	4	TN02907	06-30-17
Гехаѕ	NELAP	6	T104704286-16-10	09-30-17
JSDA	Federal		P330-16-00172	05-24-19
Virginia	NELAP	3	460166	06-14-17
Washington	State Program	10	C915	05-15-17
West Virginia DEP	State Program	3	136	06-30-17

^{*} Certification renewal pending - certification considered valid.